

3FW

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))				Docket No. 114429-007	
In Re Application Of: Les Bogdanowicz					
Application No. 10/808,915	Filing Date March 24, 2004	Examiner Unknown	Customer No. 24573	Group Art Unit 1614	Confirmation No. 8057
Title: DEVICE AND METHODOLOGY FOR OCULAR STIMULATION					
Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450					
37 CFR 1.97(b)					
1. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.					
37 CFR 1.97(c)					
2. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:					
<input type="checkbox"/> the statement specified in 37 CFR 1.97(e);					
OR					
<input type="checkbox"/> the fee set forth in 37 CFR 1.17(p).					

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.

114429-007

In Re Application: Les Bogdanowicz

Application No. 10/808,915	Filing Date March 24, 2004	Examiner Unknown	Customer No. 24573	Group Art Unit 1614	Confirmation No. 8057
-------------------------------	-------------------------------	---------------------	-----------------------	------------------------	--------------------------

Title: **DEVICE AND METHODOLOGY FOR OCULAR STIMULATION****Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 02-1818 as described below.
- ☐ Charge the amount of _____
- ☐ Credit any overpayment.
- ☒ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Certificate of Transmission by Facsimile*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. _____)

(Date)

Signature

Typed or Printed Name of Person Signing Certificate

*This certificate may only be used if paying by deposit account.

Robert M. Gould
Signature

Certificate of Mailing by First Class Mail

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on

March 24, 2005

(Date)

Signature of Person Mailing Correspondence

Heather Foster

Typed or Printed Name of Person Mailing Certificate

Dated: March 24, 2005

Robert M. Gould, Ph.D.

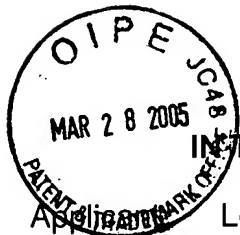
Reg. No. 43,642

P.O. Box 1135

Chicago, IL 60690-1135

Phone: 312-807-4244

CC:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Les Bogdanowicz
Appl. No.: 10/808,915
Conf. No.: 8057
Filed: March 24, 2004
Title: DEVICE AND METHODOLOGY FOR OCULAR STIMULATION
Art Unit: 1614
Examiner: Unknown
Docket No.: 0114429-007

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 37 C.F.R. 1.97, and 37 C.F.R. 1.98, Applicants request that a citation and examination of the references cited below, and on the attached PTO-1449 form, be made during the course of examination of the above-identified application for United States patent. Pursuant to the Official Gazette Notice dated August 5, 2003, copies of the cited U.S. patents and patent applications are not included as this application was filed after June 30, 2003. However, copies of all other cited references are included with this form.

U.S. PATENT DOCUMENTS

<u>Document No.</u>	<u>Date</u>	<u>Inventor</u>
2,760,483	August 28, 1956	Tassicker, G.E.
4,272,910	June 16, 1981	Danz
5,016,633	May 21, 1991	Chow
5,024,223	June 18, 1991	Chow
5,522,864	June 4, 1996	Wallace et al.
5,556,423	September 17, 1996	Chow et al.
5,868,728	February 9, 1999	Giungo et al.
5,895,415	April 20, 1999	Chow et al.
5,935,156	August 10, 1999	Chandler et al.
6,035,236	March 7, 2000	Jarding et al.

6,230,057 B1	May 8, 2001	Chow et al.
6,331,523 B1	December 18, 2001	Kljavin et al.
6,804,560 B2	October 12, 2004	Nisch et al.
6,847,847 B2	January 25, 2005	Nisch , et al.
2002/0055724 A1	May 9, 2002	Hughes
2003/0080314 A1	May 1, 2003	Nisch, Wilfried ; et al.
2003/0153067 A1	August 14, 2003	Stett, Alfred ; et al.

FOREIGN PATENT DOCUMENTS

<u>Document No.</u>	<u>Date</u>	<u>Country</u>
EP 0 940 118 A3	March 4, 1999	European

OTHER DOCUMENTS

Armington, John C., Effects of Stimulus Location and Pattern Upon the Visually Evoked Cortical Potential and the Electroretinogram, Intern. J. Neuroscience, 1981, Vol. 14, pp. 169-178.

Baylor, et al., Electrical Responses of Single Cones in the Retina of the Turtle, J. Physiol. (1970), 207, pp. 77-92.

Baylor, et al., Transmission from Photoreceptors to Ganglion Cells in Turtle Retina, J. Physiol. (1977), 271, pp. 391-424.

Belgum et al., Synaptic Transfer of Rod Signals to Horizontal and Bipolar Cells in the Retina of the Toad (*Bufo Marinus*), Journal of Physiology (1988), 396, pp. 225-245.

Bloomfields, et al., Roles of Aspartate and Glutamate in Synaptic Transmission in Rabbit Retina, The American Physiological Society, 1985.

Bortoff et al., An Electrical Model of the Vertebrate Photoreceptor Cell, Vision Res. Vol. 7, pp. 253-263, Pergamon Press 1967.

Bortoff et al., Simultaneous Recording of Photoreceptor Potentials and the PIII Component of the ERG¹, Vision Res., Vol. 5, pp. 527-533. Pergamon Press 1965.

Carpenter, H.S., Electrical Stimulation of the Human Eye in Different Adaptational States, J. Physiol. (1972), 221, pp. 137-148.

Charles, Steve, Electrical Signals of the Retinal Microcircuitry, Reprinted from Records re: Physiology of the Human Eye and Visual System. Hagerstown, Harper and Row, 1979.

- Copenhagen, et al., Kinetics of Synaptic Transmission from Photoreceptors to Horizontal and Bipolar Cells in Turtle Retina, *Vision Res.* 23, 363-369 1983.
- Dawson et al., The electrical stimulation of the retina by indwelling electrodes, *Invest. Ophthalmol. Visual Sci.*, March 1977.
- Dowling et al., Visual Adaptation in the Retina of the Skate, *The Journal of General Physiology*, Vol. 56, 1970.
- Eagle, et al., Retinal Pigment Epithelial Abnormalities in Fundus Flavimaculatus, *Ophthalmology*, December 1980, Vol. 87, No. 12.
- Erickson, et al., Retinal Detachment in the Cat: The Outer Nuclear and Outer Plexiform Layers, *Investigative Ophthalmology & Visual Science*, July 1983.
- Fenwick et al., Changes in the Pattern Reversal Visual Evoked Potential as a Function of Inspired Nitrous Oxide Concentration, Elsevier Scientific Publishers of Ireland, Ltd., August 24, 1983, pp. 178-183.
- Gernandt et al., Single Fibre Analysis of Inhibition and the Polarity of the Retinal Elements, *The Nobel Institute for Neurophysiology, Karolinska Institute, Stockholm, Sweden*, April 23, 1947, pp. 295-301.
- Green et al., Retinal Mechanisms of Visual Adaptation in the Skate, *The Journal of General Physiology*, Vol., 65, 1975, pp. 483-502.
- Humayun, Mark S., Intraocular Retinal Prosthesis, *Tr. Am. Ophth. Soc.*, Vol. 99, 2001, pp. 271-300.
- Kaneko, Akimichi, Physiological and Morphological Identification of Horizontal, Bipolar and Amacrine Cells in Goldfish Retina, *J. Physiol.* (1970), 207, pp. 623-633.
- Kaneko et al., Recording Site of the Single Cone Response Determined by an Electrode Marking Technique¹, *Vision Res.*, Vol. 7, pp. 847-851. Pergamon Press 1967.
- Kolb, Helga, The Architecture of Functional Neural Circuits in the Vertebrate Retina, *Investigative Ophthalmology & Visual Science*, April 1994, Vol. 35, No. 5, pp. 2385-2404.
- Massey et al., The Effects of 2-Amino-4-Phosphonobutyric Acid (APB) on the ERG and Ganglion Cell Discharge of Rabbit Retina, *Vision Res.* Vol. 23, No. 12, pp. 1607-1613, 1983.
- Neher, et al., Single-channel currents recorded from membrane of denervated frog muscle fibres, *Nature*, Vol. 260, April 29, 1976, pp. 799-802.
- Normann et al., A neural interface for a cortical vision prosthesis, *Vision Research*, 39, (1999), pp. 2577-2587.
- Peyman et al., Subretinal Semiconductor Microphotodiode Array, *Experimental Science, Ophthalmic Surgery and Lasers*, March 1998, Vol. 29, No. 3, pp. 234-241.

Rauschecker et al., Sending Sound to the Brain, Science, Vol. 295, February 8, 2002, pp. 1025-1029.

Rovamo, et al., An Estimation and Application of the Human Cortical Magnification Factor, Exp. Brain Res. 37, 495-510 (1979).

Schwab, Martin E., Repairing the Injured Spinal Cord, Science, Vol. 295, February 8, 2002, pp. 1029-1031.

Scribner et al., Intraocular Retinal Prosthesis Test Device, 23rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Istanbul, Turkey, Oct. 2001.

Shannon, Robert V., A Model of Safe Levels for Electrical Stimulation, IEEE Transactions on Biomedical Engineering, Vol. 39, No. 4, April 1992, pp. 424-426.

Terr, et al., Histopathologic Study of the Cochlear Nuclei after 10 Years of Electrical Stimulation of the Humal Cochlea, The American Journal of Otology, Vol. 9, No. 1, January 1988, pp. 1-6.

Werblin, Frank, Synaptic Connections, Receptive Fields, and Patterns of Activity in the Tiger Salamander Retina, Investigative Ophthalmology & Visual Science, Vol. 32, No. 3, March 1991, pp. 459-482.

Werblin et al., Organization of the Retina of the Mudpuppy, *Necturus maculosus*. II. Intracellular Recording, The Wilmer Institute, The Johns Hopkins University School of Medicine, October 15, 1968, pp. 339-355.

New technique induces growth across spinal cord injury abstract, printed from http://www.mgh.harvard.edu/depts/pubaffairs/Releases/May99_spinal_cord.htm, printed on July 6, 2001.

An Overview of Spinal Cord Research abstract, printed from <http://www.spinal-research.org/res.htm>, printed on July 6, 2001.

An electrophysiological investigation of the functional regeneration promoted by grafts of olfactory bulb ensheathing cells in the adult mammalian spinal cord abstract, printed from <http://www.spinal-research.org/riddell-barnett.html>, printed on July 6, 2001.

Microstimulation of the Lumbosacral Spinal Cord abstract, printed from <http://feswww.fes.cwru.edu/projects/wmgnih1.htm>, printed on July 6, 2001.

Medicare's Coverage Policies on Electrical Stimulation for Fracture Healing abstract, printed from <http://www.hcfa.gov/coverage/8b3-j2.htm>, printed on July 6, 2001.

Applied Electric Fields in the Treatment of Bone Fractures abstract, printed from <http://www.wpi.edu/~grovers/PH3301/emtherapy/SallyHouse/SallyHouse.html>, printed on July 6, 2001.

Electrical stimulation of hard and soft tissues in animal models abstract, printed from <http://gateway.nlm.nih.gov/gw/Cmd?GMResults>, printed on August 20, 2001.

A constant cathodic potential device for faradic stimulation of osteogenesis abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=7670693&dopt=Abstract, printed on August 27, 2001.

Medullary osteogenesis with platinum cathodes abstract, printed from <http://gateway.nlm.nih.gov/gw/Cmd?GMResults>, printed on August 20, 2001.

Electrical stimulation with bone and wound healing abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=11344981&dopt=Abstract, printed on August 27, 2001.

Continuously infused calcium hydroxide: its influence on hard tissue repair abstract, printed from <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed>, printed on August 20, 2001.

Direct current electrical bone growth stimulation for spinal fusion abstract, printed from <http://gateway.nlm.nih.gov/gw/Cmd?GMResults>, printed on August 20, 2001.

Electrical stimulation of bone growth with direct current abstract, printed from <http://gateway.nlm.nih.gov/gw/Cmd?GMResults>, printed on August 20, 2001.

Electrical stimulation induces the level of TGF-Beta1 mRNA in osteoblastic cells by a mechanism involving calcium/calmodulin pathway abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=9268690&dopt=Abstract, printed on August 27, 2001.

Electrode-oxygen consumption and its effects on tissue-oxygen tension. A study of mass spectrometry abstract, printed from <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed>, printed on August 20, 2001.

Cathodic oxygen consumption and electrically induced osteogenesis abstract, printed from <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed>, printed on August 20, 2001.

Does Electrical stimulation of deaf cochleae prevent spiral ganglion degeneration? Abstract, printed from <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed>, printed on August 20, 2001.

Osteogenesis of electrically stimulated bone cells mediated in part by calcium ions abstract, printed from <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed>, printed on August 20, 2001.

Chronic intracochlear electrical stimulation induces selective survival of spiral ganglion neurons in neonatally deafened cats abstract, printed from <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed>, printed on August 20, 2001.

Chronic electrical stimulation by a cochlear implant promotes survival of spiral ganglion neurons after neonatal deafness abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=10464355&dopt=Abstract, printed on August 27, 2001.

Cochlear pathology following chronic electrical stimulation using non charge balanced stimuli abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=10464355&dopt=Abstract, printed on August 27, 2001.

Cochlear implant effects on the spiral ganglion abstract, printed from <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed>, printed on August 20, 2001.

Applicants look forward to early and favorable consideration of this matter.

Respectfully submitted,

BELL, BOYD & LLOYD LLC

BY 

Robert M. Gould, Ph.D.

Reg. No. 43,642

P.O. Box 1135

Chicago, Illinois 60690-1135

Phone: (312) 807-4244

Dated: March 24, 2005



INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) PTO Form 1449	Atty Docket No. 114429-007	Application No. 10/808,915
	Applicant Les Bogdanowicz	
	Filing Date March 24, 2004	Group 1614

U.S. PATENT DOCUMENTS						
Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
	2,760,483	August 28, 1956	Tassicker, G.E.			
	4,272,910	June 16, 1981	Danz			
	5,016,633	May 21, 1991	Chow			
	5,024,223	June 18, 1991	Chow			
	5,522,864	June 4, 1996	Wallace et al.			
	5,556,423	September 17, 1996	Chow et al.			
	5,868,728	February 9, 1999	Giungo et al.			
	5,895,415	April 20, 1999	Chow et al.			
	5,935,156	August 10, 1999	Chandler et al.			
	6,035,236	March 7, 2000	Jarding et al.			
	6,230,057 B1	May 8, 2001	Chow et al.			
	6,331,523 B1	December 18, 2001	Kljavin et al.			
	6,804,560 B2	October 12, 2004	Nisch et al.			
	6,847,847 B2	January 25, 2005	Nisch , et al.			
	2002/0055724 A1	May 9, 2002	Hughes			
	2003/0080314 A1	May 1, 2003	Nisch, Wilfried ; et al.			
	2003/0153067 A1	August 14, 2003	Stett, Alfred ; et al.			

FOREIGN PATENT DOCUMENTS							
Examiner's Initials	Document Number	Publication Date	Country	Class	Subclass	Translation	
	EP 0 940 118 A3	March 4, 1999	European			Yes	No

Examiner:	Date Considered:
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) PTO Form 1449	Atty Docket No. 114429-007	Application No. 10/808,915
	Applicant Les Bogdanowicz	
	Filing Date March 24, 2004	Group 1614

Examiner's Initials	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	Armington, John C., Effects of Stimulus Location and Pattern Upon the Visually Evoked Cortical Potential and the Electroretinogram, Intern. J. Neuroscience, 1981, Vol. 14, pp. 169-178.
	Baylor, et al., Electrical Responses of Single Cones in the Retina of the Turtle, J. Physiol. (1970), 207, pp. 77-92.
	Baylor, et al., Transmission from Photoreceptors to Ganglion Cells in Turtle Retina, J. Physiol. (1977), 271, pp. 391-424.
	Belgium et al., Synaptic Transfer of Rod Signals to Horizontal and Bipolar Cells in the Retina of the Toad (<i>Bufo Marinus</i>), Journal of Physiology (1988), 396, pp. 225-245.
	Bloomfields, et al., Roles of Aspartate and Glutamate in Synaptic Transmission in Rabbit Retina, The American Physiological Society, 1985.
	Bortoff et al., An Electrical Model of the Vertebrate Photoreceptor Cell, Vision Res. Vol. 7, pp. 253-263, Pergamon Press 1967.
	Bortoff et al., Simultaneous Recording of Photoreceptor Potentials and the PIII Component of the ERG ¹ , Vision Res., Vol. 5, pp. 527-533. Pergamon Press 1965.
	Carpenter, H.S., Electrical Stimulation of the Human Eye in Different Adaptational States, J. Physiol. (1972), 221, pp. 137-148.
	Charles, Steve, Electrical Signals of the Retinal Microcircuitry, Reprinted from Records re: Physiology of the Human Eye and Visual System. Hagerstown, Harper and Row, 1979.
	Copenhagen, et al., Kinetics of Synaptic Transmission from Photoreceptors to Horizontal and Bipolar Cells in Turtle Retina, Vision Res. 23, 363-369 1983.
	Dawson et al., The electrical stimulation of the retina by indwelling electrodes, Invest. Ophthalmol. Visual Sci., March 1977.
	Dowling et al., Visual Adaptation in the Retina of the Skate, The Journal of General Physiology, Vol. 56, 1970.
	Eagle, et al., Retinal Pigment Epithelial Abnormalities in Fundus Flavimaculatus, Ophthalmology, December 1980, Vol. 87, No. 12.
	Erickson, et al., Retinal Detachment in the Cat: The Outer Nuclear and Outer Plexiform Layers, Investigative Ophthalmology & Visual Science, July 1983.
	Fenwick et al., Changes in the Pattern Reversal Visual Evoked Potential as a Function of Inspired Nitrous Oxide Concentration, Elsevier Scientific Publishers of Ireland, Ltd., August 24, 1983, pp. 178-183.
	Gernandt et al., Single Fibre Analysis of Inhibition and the Polarity of the Retinal Elements, The Nobel Institute for Neurophysiology, Karolinska Institute, Stockholm, Sweden, April 23, 1947, pp. 295-301.
	Green et al., Retinal Mechanisms of Visual Adaptation in the Skate, The Journal of General Physiology, Vol. 65, 1975, pp. 483-502.
	Humayun, Mark S., Intraocular Retinal Prosthesis, Tr. Am. Ophth. Soc., Vol. 99, 2001, pp. 271-300.
	Kaneko, Akimichi, Physiological and Morphological Identification of Horizontal, Bipolar and Amacrine Cells in Goldfish Retina, J. Physiol. (1970), 207, pp. 623-633.
	Kaneko et al., Recording Site of the Single Cone Response Determined by an Electrode Marking Technique ¹ , Vision Res., Vol. 7, pp. 847-851. Pergamon Press 1967.

Examiner:

Date Considered:

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) PTO Form 1449	Atty Docket No. 114429-007	Application No. 10/808,915
	Applicant Les Bogdanowicz	
	Filing Date March 24, 2004	Group 1614

Examiner's Initials	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	Kolb, Helga, The Architecture of Functional Neural Circuits in the Vertebrate Retina, Investigative Ophthalmology & Visual Science, April 1994, Vol. 35, No. 5, pp. 2385-2404.
	Massey et al., The Effects of 2-Amino-4-Phosphonobutyric Acid (APB) on the ERG and Ganglion Cell Discharge of Rabbit Retina, Vision Res. Vol. 23, No. 12, pp. 1607-1613, 1983.
	Neher, et al., Single-channel currents recorded from membrane of denervated frog muscle fibres, Nature, Vol. 260, April 29, 1976, pp. 799-802.
	Normann et al., A neural interface for a cortical vision prosthesis, Vision Research, 39, (1999), pp. 2577-2587.
	Peyman et al., Subretinal Semiconductor Microphotodiode Array, Experimental Science, Ophthalmic Surgery and Lasers, March 1998, Vol. 29, No. 3, pp. 234-241.
	Rauschecker et al., Sending Sound to the Brain, Science, Vol. 295, February 8, 2002, pp. 1025-1029.
	Rovamo, et al., An Estimation and Application of the Human Cortical Magnification Factor, Exp. Brain Res. 37, 495-510 (1979).
	Schwab, Martin E., Repairing the Injured Spinal Cord, Science, Vol. 295, February 8, 2002, pp. 1029-1031.
	Scribner et al., Intraocular Retinal Prosthesis Test Device, 23rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Istanbul, Turkey, Oct. 2001.
	Shannon, Robert V., A Model of Safe Levels for Electrical Stimulation, IEEE Transactions on Biomedical Engineering, Vol. 39, No. 4, April 1992, pp. 424-426.
	Terr, et al., Histopathologic Study of the Cochlear Nuclei after 10 Years of Electrical Stimulation of the Humal Cochlea, The American Journal of Otology, Vol. 9, No. 1, January 1988, pp. 1-6.
	Werblin, Frank, Synaptic Connections, Receptive Fields, and Patterns of Activity in the Tiger Salamander Retina, Investigative Ophthalmology & Visual Science, Vol. 32, No. 3, March 1991, pp. 459-482.
	Werblin et al., Organization of the Retina of the Mudpuppy, Necturus maculosus. II. Intracellular Recording, The Wilmer Institut, The Johns Hopkins University School of Medicine, October 15, 1968, pp. 339-355.
	New technique induces growth across spinal cord injury abstract, printed from http://www.mgh.harvard.edu/depts/pubaffairs/Releases/May99_spinal_cord.htm , printed on July 6, 2001.
	An Overview of Spinal Cord Research abstract, printed from http://www.spinal-research.org/res.htm , printed on July 6, 2001.
	An electrophysiological investigation of the functional regeneration promoted by grafts of olfactory bulb ensheathing cells in the adult mammalian spinal cord abstract, printed from http://www.spinal-research.org/riddell-barnett.html , printed on July 6, 2001.
	Microstimulation of the Lumbosacral Spinal Cord abstract, printed from http://feswww.fes.cwru.edu/projects/wmgnih1.htm , printed on July 6, 2001.
	Medicare's Coverage Policies on Electrical Stimulation for Fracture Healing abstract, printed from http://www.hcfa.gov/coverage/8b3-j2.htm , printed on July 6, 2001.

Examiner:

Date Considered:

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) PTO Form 1449	Atty Docket No. 114429-007	Application No. 10/808,915
	Applicant Les Bogdanowicz	
	Filing Date March 24, 2004	Group 1614

Examiner's Initials	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	Applied Electric Fields in the Treatment of Bone Fractures abstract, printed from http://www.wpi.edu/~grovers/PH3301/emtherapy/SallyHouse/SallyHouse.html , printed on July 6, 2001.
	Electrical stimulation of hard and soft tissues in animal models abstract, printed from http://gateway.nlm.nih.gov/gw/Cmd?GMResults , printed on August 20, 2001.
	A constant cathodic potential device for faradic stimulation of osteogenesis abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=7670693&dopt=Abstract , printed on August 27, 2001.
	Medullary osteogenesis with platinum cathodes abstract, printed from http://gateway.nlm.nih.gov/gw/Cmd?GMResults , printed on August 20, 2001.
	Electrical stimulation with bone and wound healing abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=11344981&dopt=Abstract , printed on August 27, 2001.
	Continuously infused calcium hydroxide: its influence on hard tissue repair abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed , printed on August 20, 2001.
	Direct current electrical bone growth stimulation for spinal fusion abstract, printed from http://gateway.nlm.nih.gov/gw/Cmd?GMResults , printed on August 20, 2001.
	Electrical stimulation of bone growth with direct current abstract, printed from http://gateway.nlm.nih.gov/gw/Cmd?GMResults , printed on August 20, 2001.
	Electrical stimulation induces the level of TGF-Beta1 mRNA in osteoblastic cells by a mechanism involving calcium/calmodulin pathway abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=9268690&dopt=Abstract , printed on August 27, 2001.
	Electrode-oxygen consumption and its effects on tissue-oxygen tension. A study of mass spectrometry abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed , printed on August 20, 2001.
	Cathodic oxygen consumption and electrically induced osteogenesis abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed , printed on August 20, 2001.
	Does Electrical stimulation of deaf cochleae prevent spiral ganglion degeneration? Abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed , printed on August 20, 2001.
	Osteogenesis of electrically stimulated bone cells mediated in part by calcium ions abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed , printed on August 20, 2001.
	Chronic intracochlear electrical stimulation induces selective survival of spiral ganglion neurons in neonatally deafened cats abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed , printed on August 20, 2001.

Examiner:	Date Considered:
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) PTO Form 1449	Atty Docket No. 114429-007	Application No. 10/808,915
	Applicant Les Bogdanowicz	
	Filing Date March 24, 2004	Group 1614

Examiner's Initials	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	Chronic electrical stimulation by a cochlear implant promotes survival of spiral ganglion neurons after neonatal deafness abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=10464355&dopt=Abstract , printed on August 27, 2001.
	Cochlear pathology following chronic electrical stimulation using non charge balanced stimuli abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=10464355&dopt=Abstract , printed on August 27, 2001.
	Cochlear implant effects on the spiral ganglion abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed , printed on August 20, 2001.

Examiner: .	Date Considered:
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	